

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A packet transmission system comprising:

determination means for determining if a packet should have packet identification information added;

packet identification information addition means for adding packet identification information to a packet to be transmitted; and

transmission means for transmitting said packet that is allocated said packet identification information a plurality of times even if the packet transmission system does not receive a retransmission request from a reception side,

wherein said transmission means transmits said packet that is allocated said packet identification information and a redundant packet which is a duplicate of said packet that is allocated said packet identification information, and

wherein said packet and said redundant packet transmitted with the same packet identification information contains an identical sequence number.

2. (Presented Previously) The packet transmission system according to claim 1, further comprising:

compression means for deleting a header of a third OSI (Open Systems Interconnection) layer and a header of a fourth OSI layer of the packet to be transmitted, and making data of a fifth OSI layer carried on a second OSI layer before adding the packet identification information to the packet to be transmitted.

3. (Original) The packet transmission system according to claim 1, wherein said packet is any one of a multicast packet and a broadcast packet.

4. (Cancelled)
5. (Original) The packet transmission system according to claim 1, wherein
said packet identification information addition means adds one said packet
identification information to each of a plurality of packets to be transmitted.
6. (Original) The packet transmission system according to claim 1, further comprising:
reception means for receiving information on a simultaneous packet loss frequency
at the reception side per certain period, wherein
said transmission means changes a transmission parameter based on said information
on the simultaneous packet loss frequency.
7. (Original) The packet transmission system according to claim 1, wherein
said transmission means transmits said packet allocated said packet identification
information, with a MAC (Media Access Control) address common to a plurality of reception
devices set as a destination address.
8. (Original) The packet transmission system according to claim 7, further comprising:
means for retransmitting said packet if the packet transmission system does not
receive an acknowledgement of transmission of said packet.
9. (Previously Presented) The packet transmission system according to claim 1, further
comprising:
determination means for determining whether information equal in type to the packet
identification information to be added by the packet identification information addition means
is already added to said packet to be transmitted, wherein

if a determination result of said determination means is positive, said packet to be transmitted is transmitted while bypassing said packet identification information addition means.

10. (Original) A wireless LAN base station comprising the packet transmission system according to any one of claims 1 to 9.

11. (Original) A conference server comprising the packet transmission system according to any one of claims 1 to 8.

12. (Currently Amended) A packet reception system comprising:

reception means capable of receiving duplicate packets that are allocated packet identification information once or a plurality of times without a retransmission request;

determination means for determining if the received packets are allocated packet identification information;

determination means for determining whether the reception means receives duplicate packets allocated said packet identification information the plurality of times or not; and

discard means for leaving only one of the duplicate packets and discarding the other packets if a determination result of said determination means is positive,

wherein each of said duplicate packets includes a plurality of higher level packets.

13. (Previously Presented) The packet reception system according to claim 12, wherein each of said packets received has a structure in which data of a fifth OSI (Open Systems Interconnection) layer is directly carried on a second OSI layer, and

the packet reception system further comprises restoration means for restoring a header of a third OSI layer and a header of a fourth OSI layer of each of said packets received.

14. (Original) The packet reception system according to claim 12, wherein each of said packets is any one of a multicast packet and a broadcast packet.
15. (Cancelled)
16. (Original) The packet reception system according to claim 12, further comprising:
counting means for counting a simultaneous packet loss frequency per certain period;
and
transmission means for transmitting information on said simultaneous packet loss frequency.
17. (Original) The packet reception system according to claim 12, further comprising:
holding means for holding a MAC address which is common to a plurality of reception devices, wherein
said reception means receives said packets having said MAC address as a destination MAC address.
18. (Original) The packet reception system according to claim 17, further comprising:
response means for transmitting an acknowledgment to a sender when said packets are received.
19. (Previously Presented) A packet transmission and reception system comprising:
the packet reception system according to claim 12;
detection means for detecting whether said reception means have received the duplicate packets at least once or have not received the duplicate packets at all; and

means for causing a plurality of higher level packets to be included in a packet to be transmitted based on a frequency with which said reception means have not received the duplicate packets at all.

20. (Original) A wireless LAN terminal comprising the packet reception system according to any one of claims 12 to 18.

21. (Original) A wired LAN terminal comprising the packet reception system according to any one of claims 12 to 18.

22. (Original) A wireless LAN terminal comprising the packet transmission and reception system according to claim 19.

23. (Original) A wired LAN terminal comprising the packet transmission reception system according to claim 19.